PROJECT DESCRIPTION

GENERAL THIS PROJECT INVOLVES THE INSTALLATION OF ADA RAMPS. THE RECONSTRUCTION OF AN APS PEDESTRIAN POLE FOR A PUSH BUTTON AND SIGN. AND A CROSSWALK ALONG THE WEST LEG OF THE INTERSECTION OF US I (WASHINGTON BLVD) AND LOUDON AVE IN HOWARD COUNTY.

US I IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE FULL- TRAFFIC-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURNS ON NORTHBOUND AND SOUTHBOUND US I AND AN ALTERNATE PEDESTRIAN PHASE FOR THE NORTH LEG OF THE INTERSECTION.

CONTROLLER REQUIREMENTS

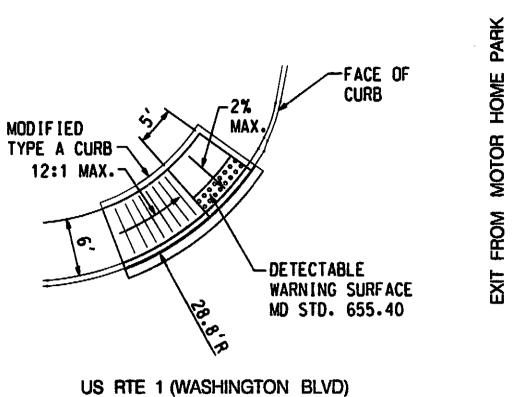
THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

APS OPERATION

TO CROSS WASHINGTON BLVD FROM LOUDON AVE.

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS WASHINGTON AT LOUDON WAIT."
- B. WHEN WALK PHASE BEGINS. THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

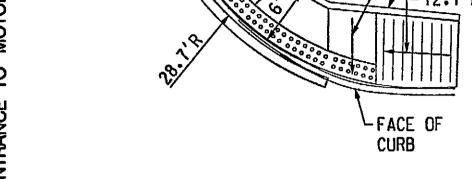
NW SIDEWALK AND RAMP DETAILS N.T.S.



DETECTABLE WARNING SURFACE - MODIFIED MD STD. 655.40 TYPE A CURB

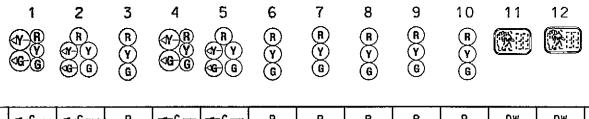
NE SIDEWALK AND RAMP DETAILS

N.T.S.



US RTE 1 (WASHINGTON BLVD)

PHASE CHART



PHASE 1 & 5	 G	♣	R	 G	+ G	æ	R	R	R	R	D₩	D₩	£
1 & 5 CHANGE TO PHASE	1 & 6 OR	PHASE 2	& 5 OR I	PHASE 2	š. 6								₩
PHASE 1 & 6	→ G—	- G-	G	R	R	R	R	R	R	R	D₩	DW	
1 CHANGE	-G Y	G Y—	G	R	R	R	R	R	R	R	D₩	Ð₩	<u> </u>
PHASE 2 & 5	R	R	R	G	- -G	G	R	R	R	R	DW	DW	↓
5 CHANGE	R	R	Ŕ	Ç	G	G	R	R	R	R	DW	DW	₹
PHASE 2 & 6	G	G	G	Ģ	G	G	R	R	R	R	DW	DW	4
2 & 6 CHANGE	Y	Y	Y	Y	Υ	Y	R	R	R	R	D₩	D₩	—->
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	D₩	D₩	ΙĄ
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	D₩	4
PHASE 4 & 8 ALT.	R	R	R	R	R	R	G	G	G	G	WK	WK	4
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	FL/DW	FL/DW	↓
4 & 8 ALT. CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	•
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

CATEGORY CODE NO.	QU
973023	

<u>YTITNAL</u> I S.F.

DESCRIPTION

SHEET ALUMINIUM SIGNS:

I EACH: RIO-3(I) SIGN (9" x 15") POLE MOUNT "PUSH BUTTON TO CROSS WASHINGTON BLVD'

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CONTRACT NO: C-0285-02

CATEGORY		B
CODE NO.	QUANTITY	DESCRIPTION
120500	L.S.	MAINTENANCE OF TRAFFIC
203030	10 C.Y.	TEST PIT EXCAVATION
585621	150 L.F.	12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
585700	IO L.F.	REMOVAL OF EXISTING PAVEMENT MARKING LINES ANY WIDTH
800000	I EA.	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND SIGN
800000	L ₄ S ₄	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
801004	0.7 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
801607	I S.F.	INSTALL SHEET ALUMINUM SIGN
802501	15 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805011	70 L.F.	I INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE
805135	15 L.F.	3 IN. SCHEDULE 80 RIGID CONDUIT - TRENCHED
810550	4 EA.	MICRO LOOP PROBE 500 FT. LEAD IN CABLE
818004	I EA.	IO FT BREAKAWAY PEDESTAL POLE
860292	I EA.	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
861105	130 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
862102	1400 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

CATE	COR
CODE	N

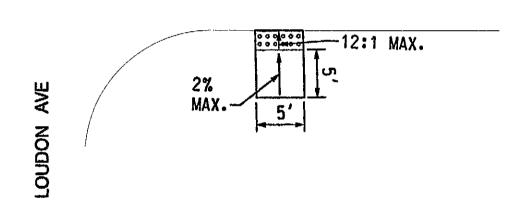
QUANTITY

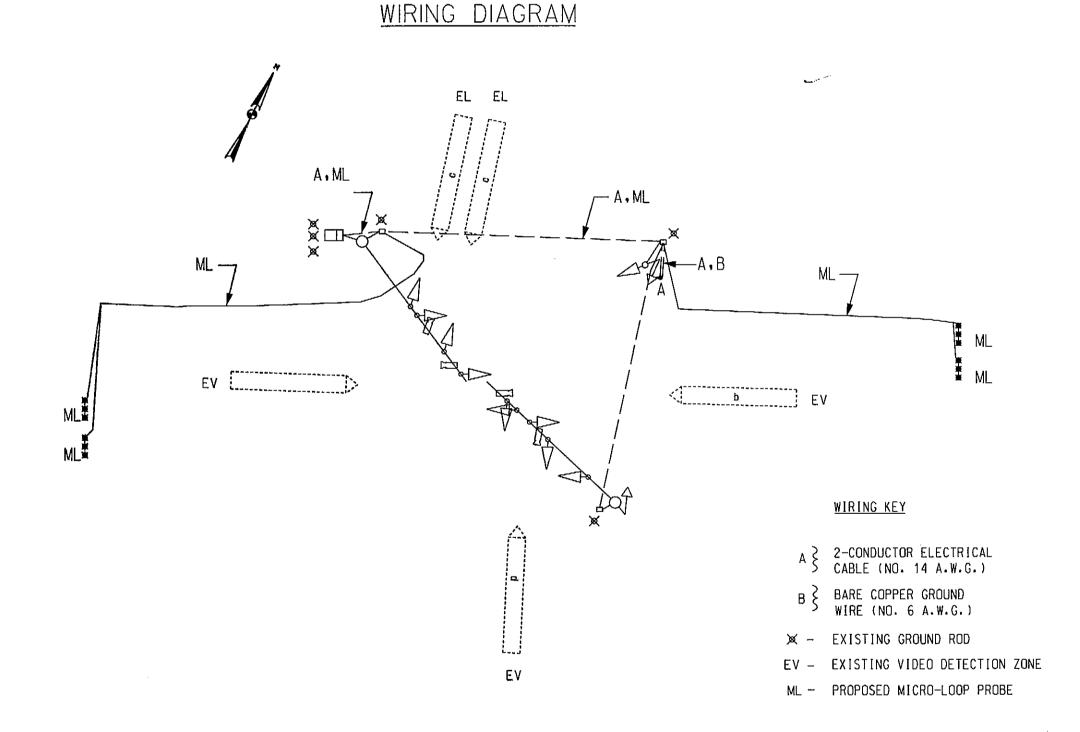
ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

DESCRIPTION

SE SIDEWALK AND RAMP DETAILS N.T.S.

US RTE 1 (WASHINGTON BLVD)





PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon Assistant District Engineer - Traffic Phone: 301-624-8140

Ms. Andrea Abend District Utility Engineer Phone: 301-624-8115

Ms. Sue Palmer Assistant District Engineer - Maintenance Phone: 301-624-8108

Mr. John Huchrowski Assistant District Engineer - Construction Phone: 301-624-8201

THE CONTACT PERSONS FOR OFFICE OF TRAFFIC AND SAFETY ARE AS FOLLOWS:

Mr. Edward Rodenhizer Chief, SHA Traffic Signal Shop Phone: 410-787-7650

Mr. Richard L. Daff Sr. Chief. Traffic Operations Division Phone: 410-787-7630

The Power Company Representative is: Baltimore Gas & Electric Company 7317 Parkway Drive South Hanover, MD 21076 Phone: 410-859-9062



72 Loveton Circle Baltimore, Maryland 21152-0949

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE AUGUST 2, 2011 CONTRACT NO. C-0285-02 DESIGNED BY COUNTY ___ HOWARD DRAWN BY LOGMILE _ 13000108.69 CHECKED BY TIMS NO._ K-811 FAP NO. TOD NO. _

SHEET NO. 24 OF 24

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY

TRAFFIC ENGINEERING DESIGN DIVISION

US 1 CORRIDOR REVITALIZATION

US 1 AT LOUDON AVE

TS NO. 4289A-GI DRAWING **SG-08** OF 08 PLOTTED: Tuesday, August 02, 2011 AT 06:31 AM
FILE: q:\smd\040444-045_US_1_sidewalk-_Count\CADD\pSG-P006_US1_Loudon.dgn